



General ordering data

Order No.	8365980000
Part designation	MCZ R 24VDC
Version	Relays, 1 CO contact, 24 V DC $\pm 20\%$, 6 A, Tension clamp connection
EAN	4008190387839
Qty.	10 pc(s).

Input

Rated control voltage	24 V DC $\pm 20\%$
Pull-in (sparkover) / drop-out voltage DC coil	12 V...19 V / 4 V...5.5 V
Rated current DC	6.3 mA
Pull-in / drop-out current, DC coil	5.7 mA
Power rating	156 mW
Status indicator	Green LED

Output

Continuous current	6 A
Inrush current	6 A
Max. switching current	6 A
Max. switching frequency at rated load	0.1 Hz
Max. switching power	1500 VA
Max. switching voltage AC	250 V
Min. switching current	100 mA
Min. switching power	12 V / 100 mA
Sparkover time / Drop-out time	4.5 ms / 10 ms
Switch-off delay	10ms
Switch-on delay	4.5ms

Contact data

Number of contacts	1
Contact base material	AgSnO ₂
Mechanical service life	20*10 ⁶ switching cycles

Rated data

Climate	40°C/93% rel. humidity, no condensation
Conductor	AWG 26...16
Connection system	Tension clamp connection
DIN Rail compatibility	TS 35
Flexible, max.	1.5 mm ²
Solid, max.	1.5 mm ²
Ambient temperature (operational)	-25 °C...+55 °C
Storage temperature	-40 °C...+60 °C

Insulation coordination (EN 50 178)

Clearance and creepage distances for control side ≥ 5.5 mm
- load side

Creepage and clearance distances between contacts	5.5 mm
Dielectric strength to mounting rail	4 kV / 1 min.
Impulse withstand voltage	6 kV
Overvoltage category	III
Pollution severity	2
Protection class	IP 20
Rated voltage	300 V
Secure separation acc. to VDE 0106 part 101	Yes

Dimensions

Clamping range, max.	2.5 mm ²
Clamping range, min.	0.5 mm ²
Clamping range, nom.	1.5 mm ²
Length	91 mm
Height	63.2 mm
Width	6 mm

Approvals

Approvals institutes

**Classifications**

ETIM 2.0	EC001437
ETIM 3.0	EC001437
eClass 4.1	40-02-06-14
eClass 5.0	27-37-16-01
eClass 5.1	27-37-16-01

Similar products

Order No.	Part designation	Version
8467470000	MCZ R 110VDC	Relays, 1 CO contact, 110 V DC ±10% , 6 A, Tension clamp connection

8420880000	MCZ R 120VAC	Relays, 1 CO contact, 120 V AC -15 %/ +10 % , 6 A, Tension clamp connection
8237710000	MCZ R 230VAC	Relays, 1 CO contact, 230 V AC $\pm 10\%$, 6 A, Tension clamp connection
8390590000	MCZ R 24VUC	Relays, 1 CO contact, 24 V UC $\pm 10\%$, 6 A, Tension clamp connection
8470380000	MCZ R 60VDC	Relays, 1 CO contact, 60 V DC $\pm 20\%$, 6 A, Tension clamp connection